## INTERNATIONAL SEARCH REPORT

International application No. PCT/JP03/14595

	SIFICATION OF SUBJECT MATTER C1 <sup>7</sup> C21D7/04, C22C1/00		
According t	to International Patent Classification (IPC) or to both n	ational classification and IPC	
B. FIELD	S SEARCHED		
Minimum d Int.	ocumentation searched (classification system followed C1 C21D7/00-7/10, B23K9/235, 45/00-45/10, B22F1/00	by classification symbols) 31/00, B24C1/10, C22C1/	/00,
Jitsı Koka:	tion searched other than minimum documentation to the uyo Shinan Koho 1922-1996 i Jitsuyo Shinan Koho 1971-2004	Toroku Jitsuyo Shinan Koho Jitsuyo Shinan Toroku Koho	o 1994–2004 o 1996–2004
Electronic d JICS	lata base consulted during the international search (named)	ne of data base and, where practicable, sear	rch terms used)
C. DOCU	MENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.
Α	JP 2002-220647 A (Zaidan Hoj Shinkokai), 09 August, 2002 (09.08.02), Claims; column 8, lines 11 to (Family: none)		1-6
P,A	JP 2003-201549 A (Zaidan Hoj Shinkokai), 18 July, 2003 (18.07.03), Claims; column 10. lines 23 t (Family: none)	-	1-6
A	JP 58-116954 A (Sony Corp.), 12 July, 1983 (12.07.83), Claims (Family: none)		1-6
× Furthe	er documents are listed in the continuation of Box C.	See patent family annex.	
* Special categories of cited documents:  "A" document defining the general state of the art which is not considered to be of particular relevance  "E" earlier document but published on or after the international filing date  "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other means  "P" document published prior to the international filing date but later than the priority date claimed  Date of the actual completion of the international search  O3 February, 2004 (03.02.04)		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family  Date of mailing of the international search report 24 February, 2004 (24.02.04)	
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Fooding In No		Telephone No	

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Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 9-234585 A (Mitsubishi Heavy Industries, Ltd.), 09 September, 1997 (09.09.97), Claims (Family: none)	1-6
A	US 6171415 B1 (UIT, LLC,), 09 January, 2001 (09.01.01.), Claims; column 7, line 19 to column 8, line 18; Figs. 3 to 5 (Family: none)	1-6
A	JP 64-79320 A (Nippon Steel Corp.), 24 March, 1989 (24.03.89), Claims; page 2, lower left column, line 19 to lower right column, line 4 (Family: none)	1-6
A	JP 8-1514 A (Toshiba Corp.), 09 January, 1996 (09.01.96), Claims; column 2, line 42 to column 3, line 2 (Family: none)	1-6
P,A	JP 2003-113418 A (Nippon Steel Corp.), 18 April, 2003 (18.04.03), Claims (Family: none)	1-6
A	Kazuya YAMADA et al., "Cho Onpa Shot Peening ni yoru Zairyo Hyomenso no Nano-Kesshoka", The Japan Institute of Metals Koen Gaiyo 02 November, 2002 (02.11.02), Vol.131st, page 265	1-6
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